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CHECKLIST

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Checklist of the superfamilies Oestroidea and Hippoboscoidea of Finland (Insecta, Diptera)

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Abstract

An updated checklist of the superfamilies Oestroidea and Hippoboscoidea recorded from Finland is presented. The checklist covers the following families: Calliphoridae, Rhiniidae, Sarcophagidae, Rhinophoridae, Tachinidae, Oestridae and Hippoboscidae.

Keywords

Checklist, Finland, Diptera, Oestroidea, Hippoboscoidea

Introduction

Oestroidea is a large and diverse superfamily of flies with a variety of life history strategies ranging from saprophages to parasitoids or endoparasites, sometimes even within the family. Some groups, such as certain subfamilies of the Calliphoridae, have also significant veterinary, medical and economical impact. Oestroidea are regarded as monophyletic clade, however the same does not apply to the family of Calliphoridae within Oestroidea (Marinho et al. 2012). Besides Calliphoridae, Oestroidea currently includes

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Table 1. Number of species by family.

Family	Number of species in			Level of knowledge
	World (Pape et al. 2011)	**Europe**	**Finland**	
Oestroidea:				
Calliphoridae	1525	102	45	good
Rhiniidae	376	12	0–1	good
Sarcophagidae	3094	309	64	average
Rhinophoridae	174	45	5	average
Tachinidae	9626	877	319	average
Oestridae	176	22	8	average
Hippoboscoidea:				
Hippoboscidae s. lat.	782	45	12	average

six other monophyletic families: Rhiniidae, Sarcophagidae, Rhinophoridae, Tachinidae, Oestridae and the non-finnish Mystacinobiidae. Additionally, the subfamilies of Oestridae (Oestrinae, Gasterophilinae) are sometimes treated as full families.

Hippoboscoidea contains the louse flies Hippoboscidae as well as the tropical Glossinidae or tsetse flies. Hippoboscidae is divided to the mammal or bird parasitic louse flies (Hippoboscinae) and batflies (Nycterbiinae, Streblinae). Although batflies have been treated as full families, they seem to be subordinate to the other Hippoboscidae (Kutty et al. 2010). The checklist will therefore follow the family division of Pape et al. 2011.

While world catalogues has been published for Sarcophagidae (Pape 1996) and Hippoboscidae (Dick 2006) only regional (Herting and Dely-Draskovits 1993) or genus-level (O'Hara 2012) catalogues exist for the other oestroid and hippoboscoid families. The Finnish species of Oestroidea and Hippoboscoidea were last listed by Hackman (1980). The sarcophagid checklist was updated by Pape (1987a,b) and the calliphorids by Rognes (1991). The updated checklists for Oestridae, Rhinophoridae and Tachinidae follow the taxonomic order of Pape (2001), Herting (1993) and Herting and Dely-Draskovits (1993), respectively.

Checklist part 1: Oestroidea

suborder Brachycera Macquart, 1834
clade Eremoneura Lameere, 1906
clade Cyclorrhapha Brauer, 1863
infraorder Schizophora Becher, 1882
clade Muscaria Enderlein, 1936
parvorder Calyptratae Robineau-Desvoidy, 1830
superfamily Oestroidea Leach, 1815

CALLIPHORIDAE Brauer & Bergenstamm, 1889

CALLIPHORINAE Brauer & Bergenstamm, 1889
BELLARDIA Robineau-Desvoidy, 1863
= ***Pseudonesia*** Villeneuve, 1920
Bellardia bayeri (Jacentkovsky, 1937)
Bellardia pandia (Walker, 1849)
= *biseta* (Kramer, 1917)
Bellardia pubicornis (Zetterstedt, 1838)
= *puberula* (Zetterstedt, 1838)
Bellardia stricta (Villeneuve, 1926)
= *polita* auct. nec (Mik, 1883)
Bellardia viarum (Robineau-Desvoidy, 1830)
= *pusilla* (Meigen, 1826)
Bellardia vulgaris (Robineau-Desvoidy, 1830)
= *agilis* (Meigen, 1826) preocc.
CALLIPHORA Robineau-Desvoidy, 1830
= ***Steringomyia*** Pokorny, 1889
= ***Acrophaga*** Brauer & Bergenstamm, 1891
= ***Abonesia*** Villeneuve, 1927
= ***Acronesia*** Hall, 1948
Calliphora genarum (Zetterstedt, 1838)
= *alpina* (Zetterstedt, 1845)
Calliphora loewi Enderlein, 1903
Calliphora stelviana (Brauer & Bergenstamm, 1891)
Calliphora subalpina (Ringdahl, 1931)
Calliphora uralensis Villeneuve, 1922
Calliphora vicina Robineau-Desvoidy, 1830
= *erythrocephala* (Meigen, 1826) preocc.
Calliphora vomitoria (Linnaeus, 1758)
CYNOMYA Robineau-Desvoidy, 1830
Cynomya mortuorum (Linnaeus, 1761)
ONESIA Robineau-Desvoidy, 1830
Onesia floralis Robineau-Desvoidy, 1830
CHRYSOMYINAE Shannon, 1923
PROTOCALLIPHORA Hough, 1899
Protocalliphora azurea (Fallén, 1817)
Protocalliphora nuortevai Grunin, 1972
Protocalliphora peusi Gregor & Povolny, 1959
Protocalliphora proxima Grunin, 1966
Protocalliphora rognesi Thompson & Pont, 1993
= *chrysorrhoea* Meigen, 1826 preocc.
PROTOPHORMIA Townsend, 1908
= ***Boreellus*** Aldrich & Schannon, 1923
Protophormia atriceps (Zetterstedt, 1845)

Protophormia terraenovae (Robineau-Desvoidy, 1830)
TRYPOCALLIPHORA Peus, 1960
Trypocalliphora braueri (Hendel, 1901)
= *lindneri* Peus, 1960
HELICOBOSCINAE Verves, 1980
EURYCHAETA Brauer & Bergenstamm, 1891
= ***Helicobosca*** Bezzi, 1906
Eurychaeta palpalis (Robineau-Desvoidy, 1830)
LUCILIINAE Shannon, 1923
LUCILIA Robineau-Desvoidy, 1830
Lucilia ampullacea Villeneuve, 1922
Lucilia bufonivora Moniez, 1876
Lucilia caesar (Linnaeus, 1758)
Lucilia illustris (Meigen, 1826)
Lucilia magnicornis (Siebke, 1863)
= *fuscipalpis* (Zetterstedt, 1845)
Lucilia richardsi Collin, 1926
Lucilia sericata (Meigen, 1826)
Lucilia silvarum (Meigen, 1826)
MELANOMYINAE Townsend, 1919
ANGIONEURA Brauer & Bergenstamm, 1893
Angioneura acerba (Meigen, 1838)
MELANOMYA Rondani, 1856
Melanomya nana (Meigen, 1826)
MELINDA Robineau-Desvoidy, 1830
Melinda gentilis Robineau-Desvoidy, 1830
= *coerulea* (Meigen, 1826) preocc.
= *cognata* (Meigen, 1830)
Melinda viridicyanea (Robineau-Desvoidy, 1830)
POLLENIINAE Brauer & Bergenstamm, 1889
MORINIA Robineau-Desvoidy, 1830
Morinia doronici (Scopoli, 1763)
= *melanoptera* (Fallén, 1817)
= *Angioneura fimbriata* misid.
POLLENIA Robineau-Desvoidy, 1830
Pollenia amentaria (Scopoli, 1763)
= *vespillo* auct. nec (Fabricius, 1794)
Pollenia angustigena Wainwright, 1940
Pollenia griseotomentosa (Jacentkowský, 1944)
Pollenia hungarica Rognes, 1987
Pollenia labialis Robineau-Desvoidy, 1863
= *excarinata* Wainwright, 1940
= *intermedia* misid.

Pollenia pediculata Macquart, 1834
Pollenia rudis (Fabricius, 1794)
= *varia* (Meigen, 1826)
Pollenia vagabunda (Meigen, 1826)

RHINIIDAE Brauer & Bergenstamm, 1889
STOMORHINA Rondani, 1861
Stomorhina lunata (Fabricius, 1805)

SARCOPHAGIDAE Macquart, 1834
MILTOGRAMMINAE Lioy, 1864
AMOBIA Robineau-Desvoidy, 1830
Amobia oculata (Zetterstedt, 1844)
= *signata* misid.
Amobia signata (Meigen, 1824)
HILARELLA Rondani, 1856
Hilarella hilarella (Zetterstedt, 1844)
MACRONYCHIA Rondani, 1859
= ***Macronichia*** orig. emend.
sg. *Macronychia* Rondani, 1859
Macronychia striginervis (Zetterstedt, 1838)
sg. *Moschusa* Robineau-Desvoidy, 1863
Macronychia agrestis (Fallén, 1820)
Macronychia griseola (Fallén, 1820)
Macronychia polyodon (Meigen, 1824)
METOPIA Meigen, 1803
Metopia argentata Macquart 1850
= *roserii* Rondani, 1859
= *stackelbergi* Rohdendorf, 1955
Metopia argyrocephala (Meigen, 1824)
= *leucocephala* (Rossi, 1790) preocc.
Metopia campestris (Fallén, 1810)
Metopia grandii Venturi, 1953
Metopia staegerii Rondani, 1859
= *rondaniana* Venturi, 1953
Metopia tshernovae Rohdendorf, 1955
MILTOGRAMMA Meigen, 1803
Miltogramma germari Meigen, 1824
Miltogramma iberica (Villeneuve, 1912)
Miltogramma oestracea (Fallén, 1820)
Miltogramma punctata Meigen, 1824
Miltogramma villeneuvei Verves, 1982
OEBALIA Robineau-Desvoidy, 1863

Oebalia cylindrica (Fallén, 1810)
Oebalia minuta (Fallén, 1810)
PHROSINELLA Robineau-Desvoidy, 1863
Phrosinella sannio (Zetterstedt, 1838)
= *nasuta* misid.
PTERELLA Robineau-Desvoidy, 1830
Pterella grisea (Meigen, 1824)
SENOTAINIA Macquart, 1846
Senotainia albifrons (Rondani, 1859)
Senotainia conica (Fallén, 1810)
Senotainia puncticornis (Zetterstedt, 1859)
= *imberbis* (Zetterstedt, 1838) preocc.
= *crabronum* (Kramer, 1920)
TAXIGRAMMA Perris, 1852
Taxigramma elegantulum (Zetterstedt, 1844)
Taxigramma heteroneurum (Meigen, 1830)
PARAMACRONYCHIINAE Brauer & Bergenstamm, 1889
AGRIA Robineau-Desvoidy, 1830
Agria affinis (Fallén, 1817)
= *punctata* Robineau-Desvoidy, 1830
Agria mamillata (Pandellé, 1896)
ANGIOMETOPA Brauer & Bergenstamm, 1889
Angiometopa falleni Pape, 1986
= *ruralis* (Fallén, 1817) preocc.
BRACHICOMA Rondani, 1856
Brachicoma devia (Fallén, 1820)
Brachicoma borealis Ringdahl, 1932
SARCOPHAGINAE Macquart, 1834
BLAESOXIPHA Loew, 1861
sg. *Blaesoxipha* Loew, 1861
Blaesoxipha lapidosa Pape, 1994
= *agrestis* auct. nec (Robineau-Desvoidy, 1863)
= *campestris* auct. nec (Robineau-Desvoidy, 1863)
Blaesoxipha laticornis (Meigen, 1826)
Blaesoxipha plumicornis (Zetterstedt, 1859)
= *laticornis* misid.
= *gladiatrix* (Pandellé, 1896)
sg. *Servaisia* Robineau-Desvoidy, 1863
Blaesoxipha erythrura (Meigen, 1826)
RAVINIA Robineau-Desvoidy, 1830
Ravinia pernix (Harris, 1780)
= *striata* (Fabricius, 1794) preocc.
SARCOPHAGA Meigen, 1826

sg. *Bellieriomima* Rohdendorf, 1937
Sarcophaga subulata Pandellé, 1896
sg. *Discacheata* Enderlein, 1928
Sarcophaga pumila Meigen, 1826
sg. *Helicophagella* Enderlein, 1928
Sarcophaga crassimargo Pandellé, 1896
Sarcophaga melanura Meigen, 1826
Sarcophaga rosellei Böttcher, 1912
sg. *Heteronychia* Brauer & Bergenstamm, 1889
Sarcophaga depressifrons Zetterstedt, 1845
= *offuscata* auct. nec Meigen, 1826
Sarcophaga haemorrhoa Meigen, 1826
Sarcophaga proxima (Rondani, 1860)
Sarcophaga vagans (Meigen, 1826)
= *frenata* Pandellé, 1896
Sarcophaga vicina (Macquart, 1835)
sg. *Liosarcophaga* Enderlein, 1928
Sarcophaga emdeni (Rohdendorff, 1969)
= *teretirostris* auct. nec Pandellé, 1896
Sarcophaga portschinskyi Rohdendorf, 1937
= *tuberosa* misid.
sg. *Mehria* Enderlein, 1928
Sarcophaga sexpunctata (Fabricius, 1805)
= *clathrata* (Meigen, 1826)
Sarcophaga nemoralis Kramer, 1908
sg. *Myorhina* Robineau-Desvoidy, 1830
= ***Pierretia*** Robineau-Desvoidy, 1863
Sarcophaga socrus Rondani, 1860
= *rostrata* Pandellé, 1896
Sarcophaga villeneuvei Böttcher, 1912
sg. *Pandelleisca* Rohdendorf, 1937
Sarcophaga similis Meade, 1876
sg. *Parasarcophaga* Johnston & Tiegs, 1921
Sarcophaga albiceps Meigen, 1826
= *privigna* Rondani, 1860
sg. *Robineauella* Enderlein, 1928
Sarcophaga caerulescens Zetterstedt, 1838
= *scoparia* Pandellé, 1896
sg. *Rosellea* Rohdendorf, 1937
Sarcophaga aratrix Pandellé, 1896
sg. *Sarcophaga* Meigen, 1826
Sarcophaga carnaria (Linnaeus, 1758)
= *schulzi* Müller, 1922

= *lehmanni* auct. nec Müller, 1922
Sarcophaga lehmanni Müller, 1922
= *lasiostyla* auct. nec Macquart, 1843
= *cognata* Rondani, 1860 preocc.
Sarcophaga subvicina Rohdendorf, 1937
Sarcophaga variegata (Scopoli, 1763)
= *carnaria* auct. nec (Linnaeus, 1758)
sg. *Sarcotachinella* Townsend, 1892
Sarcophaga sinuata Meigen, 1826
sg. *Thyrsocnema* Enderlein, 1928
Sarcophaga incisilobata Pandellé, 1896
Sarcophaga kentejana (Rohdendorf, 1937)
= *lapponica* (Tiensuu, 1939)

RHINOPHORIDAE Robineau-Desvoidy, 1863
MELANOPHORA Meigen, 1803
Melanophora roralis (Linnaeus, 1758)
PAYKULLIA Robineau-Desvoidy, 1830
Paykullia brevicornis (Zetterstedt, 1844)
Paykullia maculata (Fallén, 1815)
STEVENIA Robineau-Desvoidy, 1830
Stevenia atramentaria (Meigen, 1824)
TRICOGENA Rondani, 1856
= ***Frauenfeldia*** Egger, 1865
Tricogena rubricosa (Meigen, 1824)

TACHINIDAE Robineau-Desvoidy, 1830
EXORISTINAE Robineau-Desvoidy, 1863
tribe Exoristini Robineau-Desvoidy, 1863
EXORISTA Meigen, 1803
sg. *Adenia* Robineau-Desvoidy, 1863
Exorista mimula (Meigen, 1824)
Exorista rustica (Fallén, 1810)
Exorista sp. A
sg. *Exorista* Meigen, 1803
Exorista fasciata (Fallén, 1820)
Exorista larvarum (Linnaeus, 1758)
sg. *Podotachina* Brauer & Bergenstamm, 1891
Exorista grandis (Zetterstedt, 1844)
= *sorbillans* auct. nec Wiedemann, 1830
sg. *Ptilotachina* Brauer & Bergenstamm 1891
Exorista deligata Pandellé, 1896
CHETOGENA Rondani, 1856

Chetogena tschorsnigi Ziegler, 1999
DIPLOSTICHUS Brauer & Bergenstamm, 1889
Diplostichus janitrix (Hartig, 1838)
PHOROCERA Brauer & Bergenstamm, 1889
Phorocera assimilis (Fallén, 1810)
Phorocera obscura (Fallén, 1810)
PHORINIA Robineau-Desvoidy, 1830
Phorinia aurifrons Robineau-Desvoidy, 1830
BESSA Robineau-Desvoidy, 1830
Bessa selecta (Meigen, 1824)
tribe Blondeliini Robineau-Desvoidy, 1863
BELIDA Robineau-Desvoidy, 1863
= ***Aporotachina*** Meade, 1894
Belida angelicae (Meigen, 1824)
MEIGENIA Robineau-Desvoidy, 1830
Meigenia dorsalis (Meigen, 1824)
Meigenia mutabilis (Fallén, 1810)
= *bisignata* (Meigen, 1824)
ZAIRA Robineau-Desvoidy, 1830
= ***Viviania*** Rondani, 1861
Zaira cinerea (Fallén, 1810)
MEDINA Robineau-Desvoidy, 1830
Medina collaris (Fallén, 1820)
Medina luctuosa (Meigen, 1824)
Medina separata (Meigen, 1824)
POLICHETA Rondani, 1856
= ***Perichaeta*** preocc.
Policheta unicolor (Fallén, 1820)
ISTOCHETA Rondany, 1859
= ***Hyperecteina*** Schiner, 1862
Istocheta longicornis (Fallén, 1810)
STAUROCHAETA Brauer & Bergenstamm, 1889
Staurochaeta albocingulata (Fallén, 1820)
ADMONTIA Brauer & Bergenstamm, 1889
= ***Trichopareia*** Brauer & Bergenstamm, 1889
Admontia blanda (Fallén, 1820)
Admontia grandicornis (Zetterstedt, 1849)
Admontia seria (Meigen, 1824)
OSWALDIA Robineau-Desvoidy, 1863
Oswaldia muscaria (Fallén, 1810)
Oswaldia eggeri (Brauer & Bergenstamm, 1889)
Oswaldia reducta (Villeneuve, 1930)
Oswaldia spectabilis (Meigen, 1824)

= *albisquama* (Zetterstedt, 1844)
PARACRASPEDOTHRIX Villeneuve, 1919
Paracraspedothrix montivaga Villeneuve, 1919
LIGERIA Robineau-Desvoidy, 1863
Ligeria angusticornis (Loew, 1847)
= *zetterstedti* (Ringdahl, 1945)
LIGERIELLA Mesnil, 1961
Ligeriella aristata (Villeneuce, 1911)
BLONDELIA Robineau-Desvoidy, 1830
Blondelia nigripes (Fallén, 1810)
tribe Acemyini Brauer & Bergenstamm, 1889
ACEMYA Robineau-Desvoidy, 1830
Acemya acuticornis (Meigen, 1824)
Acemya rufitibia (von Roser, 1840)
tribe Ethillini Mesnil, 1944
PARATRYPHERA Brauer & Bergenstamm, 1891
Paratryphera barbatula (Rondani, 1859)
Paratryphera bisetosa (Brauer & Bergenstamm, 1891)
tribe Winthemiini Townsend, 1913
RHAPHIOCHAETA Brauer & Bergenstamm, 1889
Rhaphiochaeta breviseta (Zetterstedt, 1838)
SMIDTIA Robineau-Desvoidy, 1830
= ***Timavia*** Robineau-Desvoidy, 1863
Smidtia amoena (Meigen, 1824)
Smidtia conspersa (Meigen, 1824)
WINTHEMIA Robineau-Desvoidy, 1830
Winthemia cruentata (Rondani, 1859)
Winthemia erythrura (Meigen, 1838)
Winthemia quadripustulata (Fabricius, 1794)
Winthemia venusta (Meigne, 1824)
NEMORILLA Rondani, 1856
Nemorilla floralis (Fallen, 1810)
Nemorilla maculosa (Meigen, 1824)
= *floralis* misid.
tribe Eryciini Robineau-Desvoidy, 1830
APLOMYA Robineau-Desvoidy, 1830
Aplomya confinis (Fallén, 1820)
PHEBELLIA Robineau-Desvoidy, 1846
Phebellia clavellariae (Brauer & Bergenstamm, 1891)
Phebellia glauca (Meigen, 1824)
Phebellia glaucoides Herting, 1961
Phebellia glirina (Rondani, 1859)
Phebellia margaretae Bergström, 2005

Phebellia nigripalpis (Robineau-Desvoidy, 1847)
= *fuscipennis* (Robineau-Desvoidy, 1830)
Phebellia pauciseta (Villeneuve, 1908)
Phebellia strigifrons (Zetterstedt, 1838)
Phebellia stulta (Zetterstedt, 1844)
Phebellia triseta (Pandellé, 1896)
Phebellia vicina Wainwright, 1940
Phebellia villica (Zetterstedt, 1838)
Phebellia sp. A
NILEA Robineau-Desvoidy, 1863
Nilea hortulana (Meigen, 1824)
Nilea innoxia Robineau-Desvoidy, 1863
Nilea rufiscutellaris (Zetterstedt, 1859)
TLEPHUSA Robineau-Desvoidy, 1863
Tlephusa cincinna (Meigen, 1859)
= *diligens* auct. nec (Zetterstedt, 1844)
EPICAMPOCERA Macquart, 1849
Epicampocera succincta (Meigen, 1824)
PHRYXE Robineau-Desvoidy, 1830
Phryxe erythrostoma (Hartig, 1838)
Phryxe magnicornis (Zetterstedt, 1838)
Phryxe nemea (Meigen, 1824)
Phryxe vulgaris (Fallén, 1810)
PERIARCHICLOPS Villeneuve, 1924
Periarchiclops scutellaris (Fallén, 1820)
BACTROMYIA Brauer & Bergenstamm, 1891
Bactromyia aurulenta (Meigen, 1824)
= *Thecocarcelia acutangula* misid.
PSEUDOPERICHAETA Brauer & Bergenstamm, 1899
Pseudoperichaeta nigrolineata (Stephens, 1853)
LYDELLA Robineau-Desvoidy, 1830
Lydella ripae (Brischke, 1885)
= *grisescens* misid.
= *lepida* misid.
Lydella stabulans (Meigen, 1824)
CADURCIELLA Villeneuve, 1927
Cadurciella tritaeniata (Rondani, 1859)
DRINO Robineau-Desvoidy, 1863
Drino bohemica Mesnil, 1949
Drino galii (Brauer & Bergenstamm, 1891)
Drino gilva (Hartig, 1838)
Drino inconspicua (Meigen, 1830)
Drino lota (Meigen, 1824)

Drino vicina (Zetterstedt, 1849)
HUBNERIA Robineau-Desvoidy, 1848
= ***Huebneria*** orig. emend.
Hubneria affinis (Fallén, 1810)
CARCELIA Robineau-Desvoidy, 1830
sg. *Carcelia* Robineau-Desvoidy, 1830
Carcelia atricosta Herting, 1961
= *bombylans* misid.
Carcelia bombylans Robineau-Desvoidy, 1830
Carcelia gnava (Meigen, 1824)
= *excavata* (Zetterstedt, 1844)
Carcelia laxifrons Villeneuve, 1912
Carcelia lucorum (Meigen, 1824)
Carcelia rasa (Macquart, 1849)
= *amphion* Robineau-Desvoidy, 1863
Carcelia tibialis (Robineau-Desvoidy, 1863)
SENOMETOPIA Macquart, 1834
Senometopia excisa (Fallén, 1820)
Senometopia intermedia (Herting, 1960)
Senometopia pollinosa Mesnil, 1941
= *rutilla* auct. nec (Villeneuve, 1912)
= *obesa* auct. nec (Zetterstedt, 1859)
Senometopia separata (Rondani, 1859)
= *bombycivora* auct. nec (Robineau-Desvoidy, 1830)
ERYCIA Robineau-Desvoidy, 1830
Erycia fatua (Meigen, 1824)
= *festinans* misid.
Erycia furibunda (Zetterstedt, 1844)
XYLOTACHINA Brauer & Bergenstamm, 1891
Xylotachina diluta (Meigen, 1824)
tribe Goniini Lioy, 1864
PLATYMYA Robineau-Desvoidy, 1830
Platymya fimbriata (Meigen, 1824)
EUMEA Robineau-Desvoidy, 1863
= ***Platymya*** Robineau-Desvoidy, 1830 in part
Eumea linearicornis (Zetterstedt, 1844)
= *westermanni* (Zetterstedt, 1844)
Eumea mitis (Meigen, 1824)
MYXEXORISTOPS Townsend, 1911
Myxexoristops abietis Herting, 1964
Myxexoristops arctica (Zetterstedt, 1838)
Myxexoristops bonsdorffi (Zetterstedt, 1859)
Myxexoristops stolida (Stein, 1924)

= *blondeli* misid.
ZENILLIA Robineau-Desvoidy, 1830
Zenillia fulva (Fallén, 1820)
= *libatrix* (Panzer, 1798) preocc.
CLEMELIS Robineau-Desvoidy, 1863
Clemelis pullata (Meigen, 1824)
PALES Robineau-Desvoidy, 1830
Pales pavida (Meigen, 1824)
CYZENIS Robineau-Desvoidy, 1863
Cyzenis albicans (Fallén, 1810)
Cyzenis jucunda (Meigen, 1838)
BOTRIA Rondani, 1856
= ***Bothria*** orig. emend.
Botria frontosa (Meigen, 1824)
Botria subalpina Villeneuve, 1910
CEROMASIA Rondani, 1856
Ceromasia rubrifrons (Macquart, 1834)
ALLOPHOROCERA Hendel, 1901
= ***Erycilla*** Mesnil, 1957
Allophorocera ferruginea (Meigen, 1824)
Allophorocera lapponica Wood, 1974
OCYTATA Gistel, 1848
Ocytata pallipes (Fallén, 1820)
ERYNNIA Robineau-Desvoidy, 1830
Erynnia ocypterata (Fallén, 1810)
= *nitida* (Robineau-Desvoidy, 1830)
ELODIA Robineau-Desvoidy, 1863
Elodia ambulatoria (Meigen, 1824)
= *convexifrons* (Zetterstedt, 1844)
STURMIA Robineau-Desvoidy, 1830
Sturmia bella (Meigen, 1824)
BLEPHARIPA Rondani, 1856
Blepharipa pratensis (Meigen, 1824)
PROSOPEA Rondani, 1861
Prosopea nigricans (Egger, 1861)
HEBIA Robineau-Desvoidy, 1830
Hebia flavipes Robineau-Desvoidy, 1830
FRONTINA Meigen, 1838
Frontina laeta (Meigen, 1824)
BRACHICHETA Rondani, 1861
Brachicheta strigata (Meigen, 1824)
GONIA Meigen, 1803
Gonia capitata (De Geer, 1776)

Gonia divisa Meigen, 1826
Gonia ornata Meigen, 1826
Gonia picea (Robineau-Desvoidy, 1830)
= *sicula* auct. nec (Robineau-Desvoidy, 1830)
ONYCHOGONIA Brauer & Bergenstamm, 1889
Onychogonia cervini (Bigot, 1881)
Onychogonia flaviceps (Zetterstedt, 1838)
= *interrupta* (Rondani, 1859)
SPALLANZANIA Robineau-Desvoidy, 1830
Spallanzania hebes (Fallén, 1820)
TACHININAE Robineau-Desvoidy, 1830
tribe Polideini Brauer & Bergenstamm, 1889
LYDINA Robineau-Desvoidy, 1830
Lydina aenea (Meigen, 1824)
LYPHA Robineau-Desvoidy, 1830
Lypha dubia (Fallén, 1810)
Lypha ruficauda (Zetterstedt, 1838)
tribe Tachinini Robineau-Desvoidy, 1830
TACHINA Meigen, 1803
= ***Larvaevora*** Meigen, 1800 suppr.
sg. *Eudoromyia* Bezzi, 1906
Tachina fera (Linnaeus, 1761)
Tachina sp. aff. *magnicornis*
Tachina magnicornis (Zetterstedt, 1844)
sg. *Servillia* Robineau-Desvoidy, 1830
Tachina ursina (Meigen, 1824)
sg. *Tachina* Meigen, 1803
Tachina grossa (Linnaeus, 1758)
NOWICKIA Wachtl, 1894
Nowickia alpina (Zetterstedt, 1844)
Nowickia ferox (Panzer, 1809)
Nowickia marklini (Zetterstedt, 1838)
PELETERIA Robineau-Desvoidy, 1830
= ***Cuphocera*** Macquart, 1845
Peleteria ferina (Zetterstedt, 1844)
Peleteria rubescens Robineau-Desvoidy, 1830
= *nigricornis* (Meigen, 1838)
Peleteria ruficornis (Macquart, 1835)
GERMARIA Robineau-Desvoidy, 1830
= ***Atractochaeta*** Brauer & Bergenstamm, 1889
Germaria angustata (Zetterstedt, 1844)
Germaria ruficeps (Fallén, 1820)
tribe Linnaemyini Townsend, 1919

LINNAEMYA Robineau-Desvoidy, 1830
Linnaemya haemorrhoidalis (Fallén, 1810)
Linnaemya olsufjevi Zimin, 1954
= *haemorrhoidalis* misid.
Linnaemya rossica Zimin, 1954
= *haemorrhoidalis* misid.
Linnaemya vulpina (Fallén, 1810)
Linnaemya sp. A
CHRYSOSOMOPSIS Townsend, 1916
Chrysosomopsis aurata (Fallén, 1820)
PANZERIA Robineau-Desvoidy, 1830
= ***Ernestia*** Robineau-Desvoidy, 1830
Panzeria puparum (Fabricius, 1794)
Panzeria rudis (Fallén, 1810)
Panzeria vagans (Meigen, 1824)
APPENDICIA Stein, 1924
Appendicia truncata (Zetterstedt, 1838)
EURITHIA Robineau-Desvoidy, 1844
Eurithia anthophila (Robineau-Desvoidy, 1830)
= *radicum* auct. nec Linnaeus, 1758
Eurithia caesia (Fallén, 1810)
Eurithia connivens (Zetterstedt, 1844)
Eurithia consobrina (Meigen, 1824)
Eurithia intermedia (Zetterstedt, 1844)
= *conjugata* (Zetterstedt, 1855)
Eurithia vivida (Zetterstedt, 1838)
HYALURGUS Brauer & Bergenstamm, 1893
Hyalurgus crucigerus (Zetterstedt, 1838)
Hyalurgus lucidus (Meigen, 1824)
NEMORAEA Robineau-Desvoidy, 1830
Nemoraea pellucida (Meigen, 1824)
GYMNOCHETA Robineau-Desvoidy, 1830
Gymnocheta magna (Fallén, 1810)
Gymnocheta viridis (Fallén, 1810)
ZOPHOMYIA Macquart, 1835
Zophomyia temula (Scopoli, 1763)
CLEONICE Robineau-Desvoidy, 1863
= ***Steiniella*** Berg, 1898 preocc.
Cleonice callida (Meigen, 1824)
Cleonice keteli Ziegler, 2000
Cleonice nitidiuscula (Zetterstedt, 1859)
LOEWIA Egger, 1856
= ***Fortisia*** Rondani, 1861

Loewia erecta Bergström, 2007
= *phaeoptera* misid.
Loewia foeda (Meigen, 1824)
ELOCERIA Robineau-Desvoidy, 1863
Eloceria delecta (Meigen, 1824)
tribe Brachymerini Mesnil, 1939
PSEUDOPACHYSTYLUM Mik, 1891
Pseudopachystylum gonioides (Zetterstedt, 1838)
tribe Pelatachinini Mesnil, 1966
PELATACHINA Meade, 1894
Pelatachina tibialis (Fallén, 1810)
tribe Macquartiini Robineau-Desvoidy, 1830
MACQUARTIA Robineau-Desvoidy, 1830
Macquartia dispar (Fallén, 1820)
Macquartia nudigena Mesnil, 1972
= *buccalis* auct. nec Robineau-Desvoidy, 1830
Macquartia tenebricosa (Meigen, 1824)
Macquartia viridana Robineau-Desvoidy, 1863
ANTHOMYIOPSIS Townsend, 1916
= ***Ptilopsina*** Villeneuve, 1920
Anthomyiopsis nigrisquamata (Zetterstedt, 1838)
tribe Triarthriini Belshaw, 1993
TRIARTHRIA Stephens, 1829
Triarthria setipennis (Fallén, 1810)
tribe Neaerini Mesnil, 1966
PHYTOMYPTERA Rondani, 1845
= ***Elfia*** Robineau-Desvoidy, 1850
Phytomyptera bohemica Kramer, 1907
Phytomyptera cingulata (Robineau-Desvoidy, 1830)
Phytomyptera nigrina (Meigen, 1824)
Phytomyptera minutissima (Zetterstedt, 1844)
Phytomyptera riedeli (Villeneuve, 1930)
Phytomyptera zonella (Zetterstedt, 1844)
GRAPHOGASTER Rondani, 1868
= ***Anurogyna*** Brauer & Bergenstamm, 1889
Graphogaster brunnescens Villeneuve, 1907
Graphogaster buccata Herting, 1971
Graphogaster dispar (Brauer & Bergenstamm, 1889)
= *punctiventris* (Ringdahl, 1942)
Graphogaster nigrescens Herting, 1971
tribe Siphonini Rondani, 1844
ENTOMOPHAGA Lioy, 1864
Entomophaga nigrohalterata (Villeneuve, 1921)

Entomophaga sufferta (Villeneuve, 1942)
CEROMYA Robineau-Desvoidy, 1830
Ceromya bicolor (Meigen, 1824)
Ceromya dorsigera Herting, 1967
Ceromya flaviceps Ratzeburg, 1844
Ceromya silacea (Meigen, 1824)
ACTIA Robineau-Desvoidy, 1830
Actia crassicornis (Meigen, 1824)
Actia infantula (Zetterstedt, 1844)
Actia lamia (Meigen, 1838)
Actia maksymovi Mesnil, 1952
Actia nigroscutellata Lundbeck, 1927
Actia pilipennis (Fallén, 1810)
Actia resinellae (Schrank, 1781)
= *nudibasis* Stein, 1924
PERIBAEA Robineau-Desvoidy, 1863
Peribaea hertingi Andersen, 1996
= *fissicornis* misid.
Peribaea longirostris Andersen, 1996
CERANTHIA Robineau-Desvoidy, 1830
Ceranthia abdominalis Robineau-Desvoidy, 1830
Ceranthia lichtwardtiana (Villeneuve, 1931)
Ceranthia pallida Herting, 1959
Ceranthia tenuipalpis (Villeneuve, 1921)
Ceranthia tristella Herting, 1966
Ceranthia verneri Andersen, 1996
APHANTORHAPHOPSIS Townsend, 1926
Aphantorhaphopsis samarensis (Villeneuve, 1921)
Aphantorhaphopsis siphonoides (Strobl, 1898)
Aphantorhaphopsis verralli (Wainwright, 1928)
SIPHONA Meigen, 1803
Siphona boreata Mesnil, 1960
Siphona collini Mesnil, 1960
Siphona confusa Mesnil, 1961
= *mesnili* Andersen, 1982
Siphona cristata (Fabricius, 1805)
= *geniculata* auct. nec (De Geer, 1776)
Siphona flavifrons (Staeger, 1849)
Siphona geniculata (De Geer, 1776)
= *urbana* (Harris, 1776)
Siphona grandistyla Pandellé, 1894
Siphona immaculata Andersen, 1996
Siphona ingerae Andersen, 1982

Siphona hokkaidensis Mesnil, 1957
= *silvarum* Herting, 1967
= *martini* Andersen, 1982
Siphona maculata (Staeger, 1849)
Siphona nigricans (Villeneuve, 1930)
Siphona paludosa Mesnil, 1960
Siphona pauciseta Rondani, 1865
Siphona rossica Mesnil, 1961
Siphona setosa Mesnil, 1960
Siphona subarctica Andersen, 1996
Siphona variata Andersen, 1982
tribe Leskiini Townsend, 1919
APHRIA Robineau-Desvoidy, 1830
Aphria longilingua Rondani, 1861
Aphria longirostris (Meigen, 1824)
DEMOTICUS Macquart, 1854
Demoticus plebejus (Fallén, 1810)
LESKIA Robineau-Desvoidy, 1830
Leskia aurea (Fallén, 1820)
SOLIERIA Robineau-Desvoidy, 1848
Solieria inanis (Fallén, 1810)
Solieria pacifica (Meigen, 1824)
= *tibialis* (von Roser, 1840)
tribe Minthonini Brauer & Bergenstamm, 1889
MINTHO Robineau-Desvoidy, 1830
Mintho rufiventris (Fallén, 1816)
MINTHODES Brauer & Bergenstamm, 1899
Minthodes picta (Zetterstedt, 1844)
tribe Microphthalmini Crosskey, 1976
DEXIOSOMA Rondani, 1856
Dexiosoma caninum (Fabricius, 1794)
DEXIINAE Macquart, 1834
tribe Dexiini Macquart, 1834
TRIXA Meigen, 1824
= ***Murana*** Meigen, 1824
Trixa caerulescens Meigen, 1824
= *alpina* Meigen, 1824
Trixa conspersa (Harris, 1776)
= *variegata* Meigen, 1824
= *oestroidea* (Robineau-Desvoidy, 1830)
BILLAEA Robineau-Desvoidy, 1830
Billaea irrorata (Meigen, 1826)
Billaea kolomyetzi Mesnil, 1970

Billaea triangulifera (Zetterstedt, 1844)
DINERA Robineau-Desvoidy, 1830
Dinera ferina (Fallén, 1816)
Dinera grisescens (Fallén, 1816)
Dinera carinifrons (Fallén, 1817)
ESTHERIA Robineau-Desvoidy, 1830
Estheria petiolata (Bonsdorff, 1866)
DEXIA Meigen, 1826
Dexia vacua (Fallén, 1816)
PROSENA Le Peletier & Serville, 1828
Prosena siberita (Fabricius, 1775)
tribe Voriini Townsend, 1912
ERIOTHRIX Meigen, 1803
Eriothrix argyreatus (Meigen, 1824)
= *apenninus* misid.
Eriothrix prolixa (Meigen, 1824)
Eriothrix rufomaculata (De Geer, 1776)
= *monochaeta* (Wainwright, 1928)
TRAFOIA Brauer & Bergenstamm, 1893
Trafoia monticola Brauer & Bergenstamm, 1893
CAMPYLOCHETA Rondani, 1859
= ***Elpe*** Robineau-Desvoidy, 1863
Campylocheta fuscinervis (Stein, 1924)
Campylocheta inepta (Meigen, 1824)
Campylocheta praecox (Meigen, 1824)
BLEPHAROMYIA Brauer & Bergenstamm, 1889
Blepharomyia angustifrons Herting, 1971
Blepharomyia pagana (Meigen, 1824)
= *amplicornis* (Zetterstedt, 1844)
Blepharomyia piliceps (Zetterstedt, 1859)
PETEINA Meigen, 1838
Peteina erinaceus (Fabricius, 1794)
RAMONDA Robineau-Desvoidy, 1863
Ramonda prunaria (Rondani, 1861)
= *carbonaria* misid.
Ramonda ringdahli (Villeneuve, 1922)
Ramonda spathulata (Fallén, 1820)
WAGNERIA Robineau-Desvoidy, 1830
Wagneria alpina (Villeneuve, 1910)
Wagneria costata (Fallén, 1820)
ATHRYCIA Robineau-Desvoidy, 1830
= ***Blepharigena*** Rondani, 1856
Athrycia curvinervis (Zetterstedt, 1844)

Athrycia impressa (van der Wulp, 1869)
Athrycia trepida (Meigen, 1824)
Athrycia sp. A
VORIA Robineau-Desvoidy, 1830
= ***Plagia*** Meigen, 1838
Voria ruralis (Fallén, 1810)
CYRTOPHLEBA Rondani, 1856
Cyrtophleba ruricola (Meigen, 1824)
Cyrtophleba vernalis (Kramer, 1917)
KLUGIA Robineau-Desvoidy, 1863
Klugia marginata (Meigen, 1824)
CHAETOVORIA Villeneuve, 1920
Chaetovoria antennata Villeneuve, 1920
PHYLLOMYA Robineau-Desvoidy, 1830
Phyllomya volvulus (Fabricius, 1794)
THELAIRA Robineau-Desvoidy, 1830
Thelaira nigrina (Fallén, 1817)
= *nigripes* (Fabricius, 1794) preocc.
HALIDAYA Egger, 1856
Halidaya aurea Egger, 1856
STOMINA Robineau-Desvoidy, 1830
Stomina tachinoides (Fallén, 1816)
tribe Dufouriini Robineau-Desvoidy, 1830
DUFOURIA Robineau-Desvoidy, 1830
Dufouria chalybeata (Meigen, 1824)
Dufouria nigrita (Fallén, 1810)
RONDANIA Robineau-Desvoidy, 1850
Rondania dimidiata (Meigen, 1824)
Rondania dispar (Dufour, 1851)
Rondania fasciata (Macquart, 1834)
MICROSOMA Macquart, 1855
= ***Campogaster*** Rondani, 1856
Microsoma exiguum (Meigen, 1824)
FRERAEA Robineau-Desvoidy, 1830
Freraea gagatea Robineau-Desvoidy, 1830
= *albipennis* (Zetterstedt, 1838)
PHASIINAE Robineau-Desvoidy, 1830
tribe Phasiini Robineau-Desvoidy, 1830
CLYTIOMYA Rondani, 1861
Clytiomya continua (Panzer, 1798)
ELIOZETA Rondani, 1856
Eliozeta pellucens (Fallén, 1820)
SUBCLYTIA Pandellé, 1894

Subclytia rotundiventris (Fallén, 1820)
GYMNOSOMA Meigen, 1803
Gymnosoma clavatum (Rohdendorf, 1947)
Gymnosoma dolycoridis Dupuis, 1961
Gymnosoma nudifrons Herting, 1966
CISTOGASTER Latreille, 1804
= ***Pallasia*** Robinaeu-Desvoidy, 1830
Cistogaster globosa (Fabricius, 1775)
PHASIA Latreille, 1804
= ***Alophora*** Robineau-Desvoidy, 1830
sg. *Hyalomya* Robineau-Desvoidy, 1830
Phasia pusilla (Meigen, 1824)
sg. *Phasia* Latreille, 1804
Phasia aurulans (Meigen, 1824)
Phasia barbifrons (Girschner, 1887)
Phasia hemiptera (Fabricius, 1794)
Phasia obesa (Fabricius, 1798)
Phasia subcoleoptrata (Linnaeus, 1767)
tribe Catharosiini Townsend, 1936
CATHAROSIA Rondani, 1868
Catharosia pygmaea (Fallén, 1815)
tribe Strongygastrini Townsend, 1936
STRONGYGASTER Macquart, 1834
= ***Tamiclea*** Macquart, 1836
Strongygaster celer (Meigen, 1838)
tribe Leucostomatini Townsend, 1908
LEUCOSTOMA Meigen, 1803
Leucostoma simplex (Fallén, 1815)
BRULLAEA Robineau-Desvoidy, 1863
Brullaea ocypteroidea Robineau-Desvoidy, 1863
CINOCHIRA Zetterstedt, 1845
Cinochira atra Zetterstedt, 1945
tribe Cylindromyiini Townsend, 1912
LOPHOSIA Meigen, 1824
sg. *Lophosia* Meigen, 1824
Lophosia fasciata Meigen, 1824
CYLINDROMYIA Meigen, 1803
sg. *Cylindromyia* Meigen, 1803
Cylindromyia brassicaria (Fabricius, 1775)
sg. *Neocyptera* Townsend, 1916
Cylindromyia interrupta (Meigen, 1824)
sg. *Ocypterula* Rondani, 1856
Cylindromyia pusilla (Meigen, 1824)

HEMYDA Robineau-Desvoidy, 1830
Hemyda obscuripennis (Meigen, 1824)
Hemyda vittata (Meigen, 1824)
BESSERIA Robineau-Desvoidy, 1830
Besseria anthophila (Loew, 1871)
Besseria melanura (Meigen, 1824)
PHANIA Meigen, 1824
Phania curvicauda (Fallén, 1820)
Phania funesta (Meigen, 1824)
= *pseudofunesta* (Villeneuve, 1931)
Phania thoracica Meigen, 1824

OESTRIDAE Leach, 1815
HYPODERMATINAE Rondani, 1856
HYPODERMA Latreille, 1818
Hypoderma bovis (Linnaeus, 1758)
Hypoderma lineatum (De Villers, 1789)
Hypoderma tarandi (Linnaeus, 1758)
CEPHENEMYIINAE Patton, 1921
tribe Cephenemyiini Patton, 1921
CEPHENEMYIA Latreille, 1818
Cephenemyia trompe (Modeer, 1786)
Cephenemyia ulrichii Brauer, 1862
GASTEROPHILINAE Girschner, 1896
GASTEROPHILUS Leach, 1817
Gasterophilus haemorrhoidalis (Linnaeus, 1758)
Gasterophilus intestinalis (De Geer, 1776)
Gasterophilus nasalis (Linnaeus, 1758)

Checklist part 2: Hippoboscoidea

suborder Brachycera Macquart, 1834
clade Eremoneura Lameere, 1906
clade Cyclorrhapha Brauer, 1863
infraorder Schizophora Becher, 1882
clade Muscaria Enderlein, 1936
parvorder Calyptratae Robineau-Desvoidy, 1830
superfamily Hippoboscoidea Samouelle, 1819

HIPPOBOSCIDAE Samouelle, 1819
HIPPOBOSCINAE Samouelle, 1819
tribe Ornithomyini Costa, 1846

CRATAERINA von Olfers, 1816
= ***Stenepteryx*** Leach, 1817
Crataerina hirundinis (Linnaeus, 1758)
Crataerina pallida (Olivier, 1812)
tribe Olfersiini Maa, 1969
OLFERSIA Wiedemann, 1830
= ***Feronia*** Leach, 1817 preocc.
Olfersia fumipennis (Sahlberg, 1886)
ORNITHOMYA Latreille, 1802
Ornithomya avicularia (Linnaeus, 1758)
Ornithomya chloropus Bergroth, 1901
Ornithomya fringillina Curtis, 1836
ORNITHOPHILA Rondani, 1879
Ornithophila metallica (Schiner, 1864)
tribe Hippoboscini Samouelle, 1819
HIPPOBOSCA Linnaeus, 1758
Hippobosca equina Linnaeus, 1758
tribe Lipoptenini Speiser, 1908
LIPOPTENA Nitzsch, 1818
Lipoptena cervi (Linnaeus, 1758)
MELOPHAGUS Latreille, 1802
Melophagus ovinus (Linnaeus, 1758)
NYCTERIBIINAE Samouelle, 1819
tribe Nycteribiini Samouelle, 1819
NYCTERIBIA Latreille, 1796
sg. *Nycteribia* Latreille, 1796
Nycteribia kolenatii Theodor & Moscona, 1954
= *pedicularia* auct. nec Latreille, 1805
= *latreillei* misid.
= *blasii* (Kolenati, 1863) preocc.
PENICILLIDIA Kolenati, 1863
Penicillidia monoceros Speiser, 1900

Excluded species

Aphantorhaphopsis (*Ceranthia*) *selecta* (Pandellé, 1894) misidentified
Baumhaueria goniaeformis (Meigen, 1824) misidentified
Bithia geniculata (Zetterstedt, 1844) see Notes
Blepharipoda scutellata (Robineau-Desvoidy, 1830) misidentified
Blondelia piniariae (Hartig, 1838). Specimens reared from the correct host are mentioned in the notes of Lauri Tiensuu. See Bergström and Bystrowski (2011) for a recent revalidation of this species.

Billaea fortis (Rondani, 1862) a likely misidentification, the specimen cannot be located
Dexia rustica (Fallén, 1816) misidentified
Drino atropivora Robineau-Desvoidy, 1830 not found within present borders
Entomophaga exoleta (Meigen, 1824) misidentified
Graphogaster vestita Rondani, 1868 misidentified
Gymnosoma rotundatum (Linnaeus, 1758) misidentified
Istocheta subcinerea (Borisova-Zinoveva, 1966) misidentified
Leiophora innoxia (Meigen, 1824) specimen lost, but likely a misidentification due to the host record (*Diprion* sp. Symphyta: Diprionidae)
Linnaemya comta (Fallén, 1810) misidentified
Lydella grisescens Robineau-Desvoidy, 1830 misidentified
Macronychia alpestris Rondani, 1865 labeling mistake
Macronychia conica Robineau-Desvoidy, 1830 labeling mistake
Macroprosopa atrata (Fallén, 1810) misidentified
Masicera silvatica (Fallén, 1810) misidentified
Oestrus ovis Linnaeus, 1758 extinct?
Opesia cana (Meigen, 1824) not found within present borders
Pseudogonia rufifrons (Wiedemann, 1830) imported
Pseudoperichaeta palesoidea (Robineau-Desvoidy, 1830) misidentified
Sarcophaga agnata Rondani, 1860 misidentified
Sarcophaga dissimilis Meigen, 1826 misidentified
Sarcophaga granulata Kramer, 1908
Sarcophila latifrons (Fallén, 1817) not found within present borders
Senometopia confundens Rondani, 1859 misidentified
Thelymorpha marmorata (Fabricius, 1805), record cannot be confirmed – specimen lost?

Notes

***Athrycia* sp. A.** Probably an undescribed species (J. Flinck leg., T. Zeegers priv. comm.)

***Bithia geniculata* (Zetterstedt, 1844).** Erroneously included in the previous checklist (Hackman 1980, 1981) on the basis of misintepreted records of *Siphona geniculata* (De Geer, 1776).

***Dexia vacua* (Fallén, 1816)** and ***Dinera carinifrons* (Fallén, 1817).** Conspiguous large species with many historical records, however they have not been seen for decades in Finland (last record for *D. carinifrons* from 1945). While the species have certainly become rarer, their complete extinction cannot be confirmed due to the regional paucity of recording. For example, *Linnaemya rossica* Zimin, 1954 was similarly missing for 50 years until rediscovered in 2013 from Lieksa, eastern Finland.

***Exorista* sp. A.** Probably an undescribed species, near to *E. tubulosa* Herting, 1967 (C. Bergström, pers. comm.)

***Linnaemya* sp. A.** An undescribed species (C. Bergström, pers. comm.). A highly unusual, shiny black *Linneamya* species from Lapland.

***Nemorilla floralis* (Fallen, 1810)**. *N. maculosa* (Meigen, 1824) has been mixed with this species on Hackman´s (1980) list. True *floralis* was found new to Finland in 2011 from Loviisa (J. Flinck leg.).

***Phebellia* sp. A**. Probably an undescribed species (J. Flinck leg. , T. Zeegers priv. comm.)

***Stomorhina lunata* (Fabricius, 1805)**. Recorded once from the University Botanical Gardens in Helsinki (2 exx). It is quite possible that the flies were imported to Finland, but the species is also a known vagrant and the possibility of natural dispersal cannot be excluded.

Tachina* sp. aff. *magnicornis. Close to the real *T. magnicornis* of Zetterstedt. The proper name of this species still under investigation, but may be *T. tetramera* (Zetterstedt, 1849). It is common and widespread in Finland. Some records have been confirmed by the DNA barcoding project (Pohjoismäki et al. 2013). See Tschorsnig et al. (2002) and Novotna et al. (2009).

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